产品名称：Aldolase A Rabbit Polyclonal Antibody
产品货号：APRab06768

产品概述（Summary）

产品名称（Production Name）	Aldolase A Rabbit Polyclonal Antibody
描述（Description）	Rabbit polyclonal Antibody
宿主（Host）	Rabbit
应用（Application）	WB,ICC/IF,ELISA
种属反应性（Reactivity）	Human,Mouse,Rat

产品性能（Performance）

偶联物（Conjugation）	Unconjugated
修饰（Modification）	Unmodified
同种型（Isotype）	IgG
克隆（Clonality）	Polyclonal
形式（Form）	Liquid
存放说明（Storage）	Store at 4°C short term. Aliquot and store at -20°C long term. Avoid freeze/thaw cycles.
储存溶液（Buffer）	Liquid in PBS containing 50% glycerol, 0.5% protective protein and 0.02% New type preservative N.
纯化方式（Purification）	Affinity purification

免疫原信息（Immunogen）

基因名（Gene Name）	ALDOA
别名（Alternative Names）	ALDOA; ALDA; Fructose-bisphosphate aldolase A; Lung cancer antigen NY-LU-1; Muscle-type aldolase
基因 ID（Gene ID）	226.0
蛋白 ID（SwissProt ID）	P04075.The antiserum was produced against synthesized peptide derived from human ALDOA. AA range:1-50

产品应用（Application）

稀释比（Dilution Ratio）	WB 1:500-1:2000,ICC/IF 1:200-1:1000,ELISA 1:5000-1:20000
蛋白分子量（Molecular Weight）	39kDa

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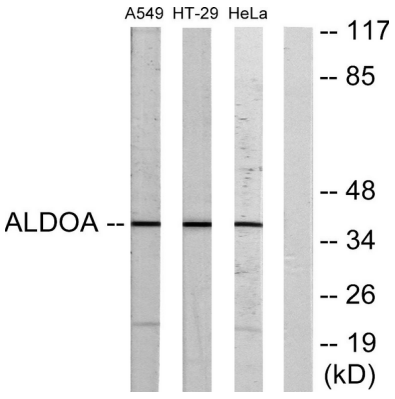
研究背景（Background）

The protein encoded by this gene, Aldolase A (fructose-bisphosphate aldolase), is a glycolytic enzyme that catalyzes the reversible conversion of fructose-1,6-bisphosphate to glyceraldehyde 3-phosphate and dihydroxyacetone phosphate. Three aldolase isozymes (A, B, and C), encoded by three different genes, are differentially expressed during development. Aldolase A is found in the developing embryo and is produced in even greater amounts in adult muscle. Aldolase A expression is repressed in adult liver, kidney and intestine and similar to aldolase C levels in brain and other nervous tissue. Aldolase A deficiency has been associated with myopathy and hemolytic anemia. Alternative splicing and alternative promoter usage results in multiple transcript variants. Related pseudogenes have been identified on chromosomes 3 and 10. [provided by RefSeq, Aug 2011],catalytic activity:D-fructose 1,6-bisphosphate = glycerone phosphate + D-glyceraldehyde 3-phosphate.,disease:Defects in ALDOA are the cause of aldolase A deficiency [MIM:611881]; also known as aldoA deficiency or red cell aldolase deficiency. Aldolase A deficiency is an autosomal recessive disorder associated with hereditary hemolytic anemia.,miscellaneous:In vertebrates, three forms of this ubiquitous glycolytic enzyme are found, aldolase A in muscle, aldolase B in liver and aldolase C in brain.,pathway:Carbohydrate degradation; glycolysis; D-glyceraldehyde 3-phosphate and glycerone phosphate from D-glucose: step 4/4.,similarity:Belongs to the class I fructose-bisphosphate aldolase family.,subunit:Homotetramer.,

研究领域（Research Area）

Glycolysis / Gluconeogenesis;Pentose phosphate pathway;Fructose and mannose metabolism;

图片（Image Data）



Western blot analysis of lysates from A549, HeLa, and HT-29 cells, using ALDOA Antibody. The lane on the right is blocked with the synthesized peptide.

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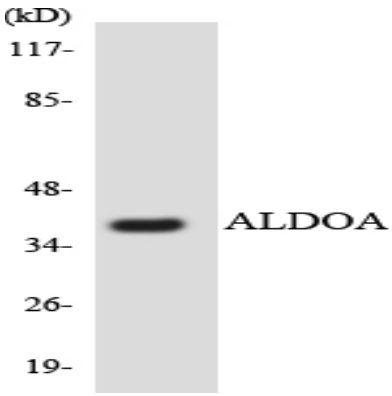
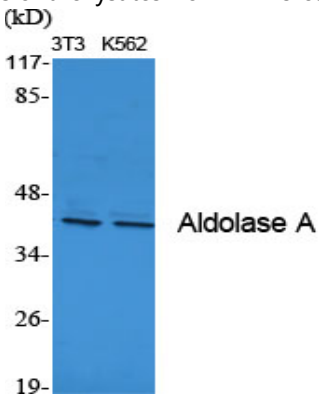
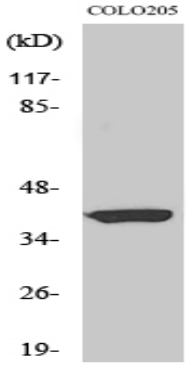


Western blot analysis of the lysates from HT-29 cells using ALDOA antibody.



Western Blot analysis of various cells using Aldolase A Polyclonal Antibody diluted at 1：1000



Western Blot analysis of HT29 cells using Aldolase A Polyclonal Antibody diluted at 1：1000

注意事项（Note）

For research use only .